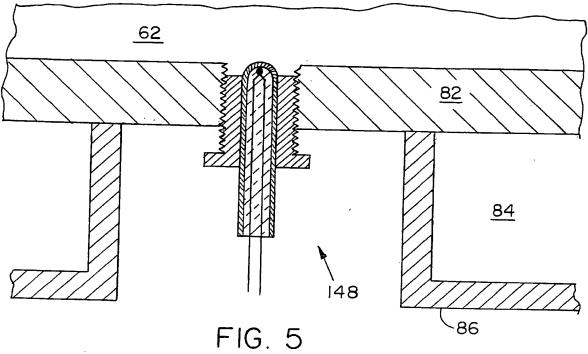
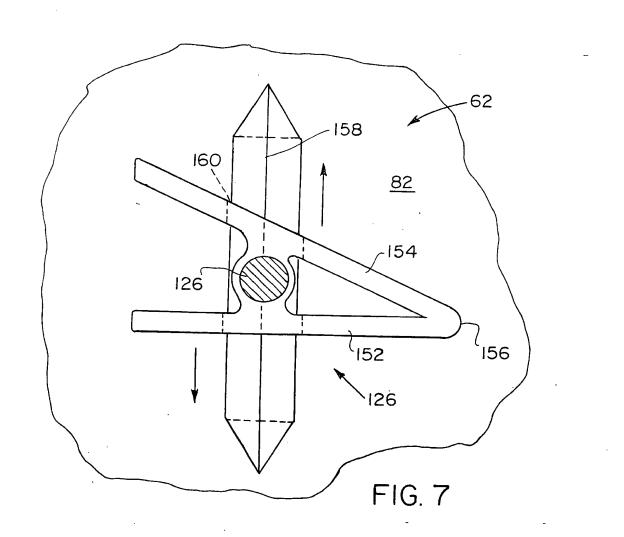


Replacement Sheet







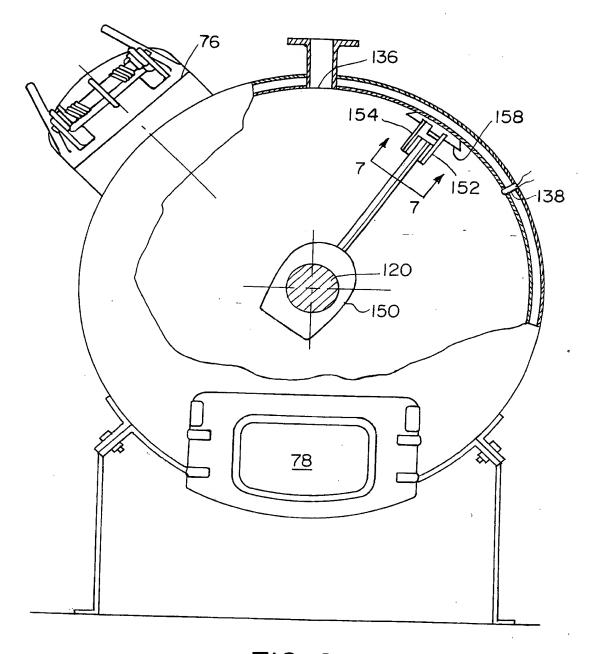


FIG. 6



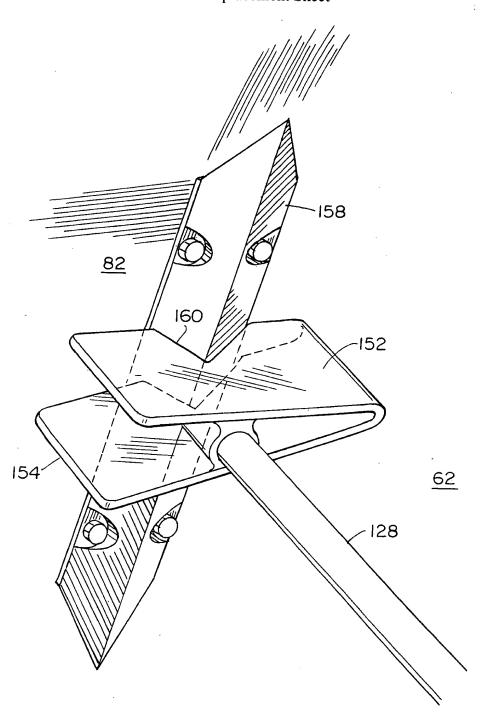
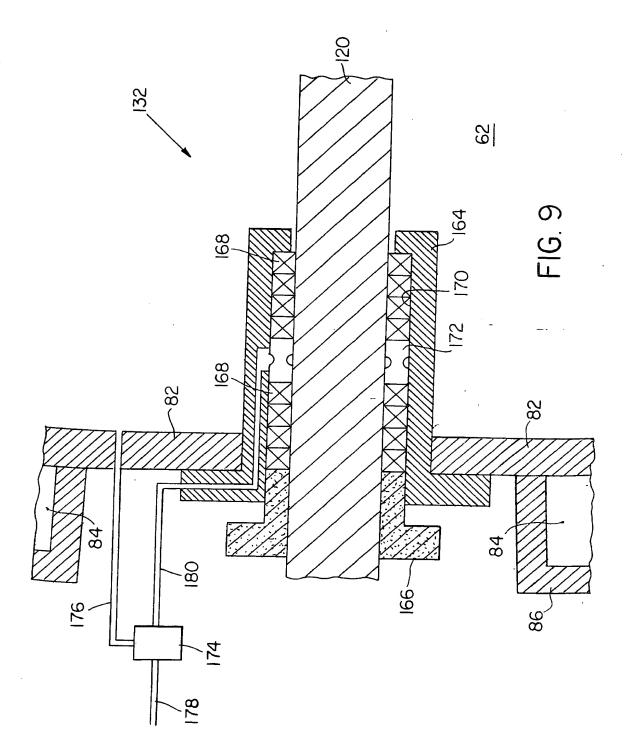
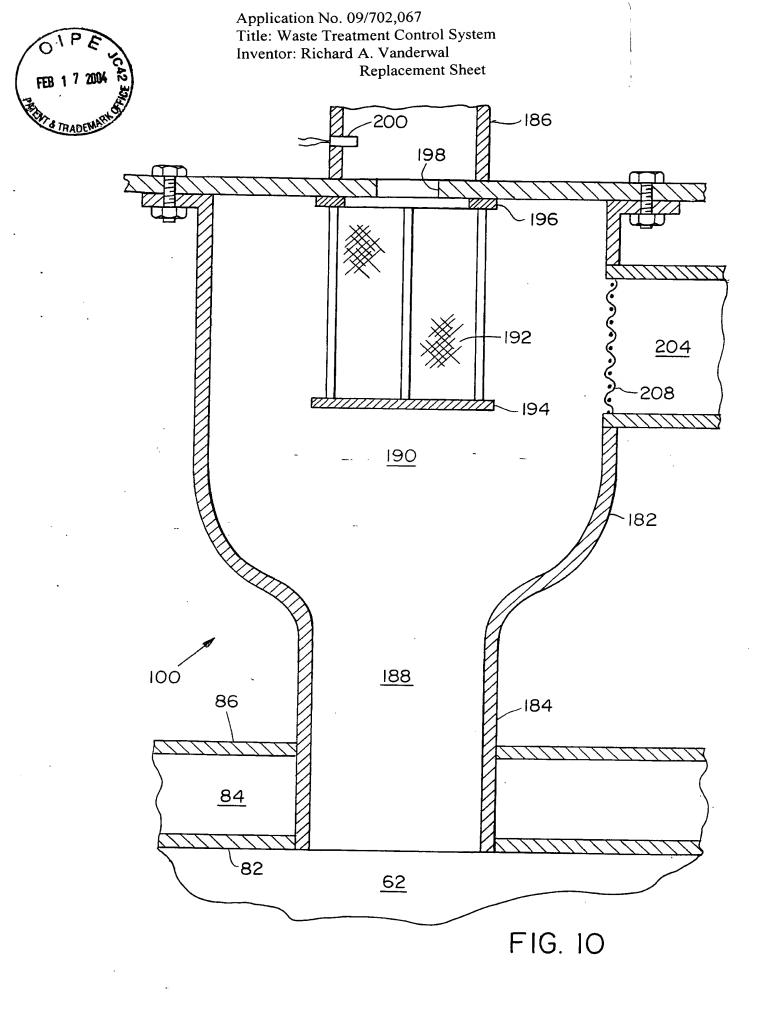


FIG. 8







Application No. 09/702,067 Title: Waste Treatment Control System Inventor: Richard A. Vanderwal Replacement Sheet FEB 1 7 2004 **OPERATOR** CONTROLLER-ACTION CONTROLLER-MONITOR Open loading door Monitor air flow in Activate negative negative air pressure pressure device device. Rotate agitating mechanism (slowly) Load waste Close loading door Deactivate negative pressure device Push starting button Confirm loading and unloading doors are sealed **BEGIN** Activate printer/ STERILIZATION recorder STAGE Monitor pressure & temperature in pressure vessel Add steam to steam jacket Increase rotational speed of agitating mechanism Inject steam to pressure Monitor pressure \$ vessel if required temperature in (at 105°C) pressure vessel FIG. 11A

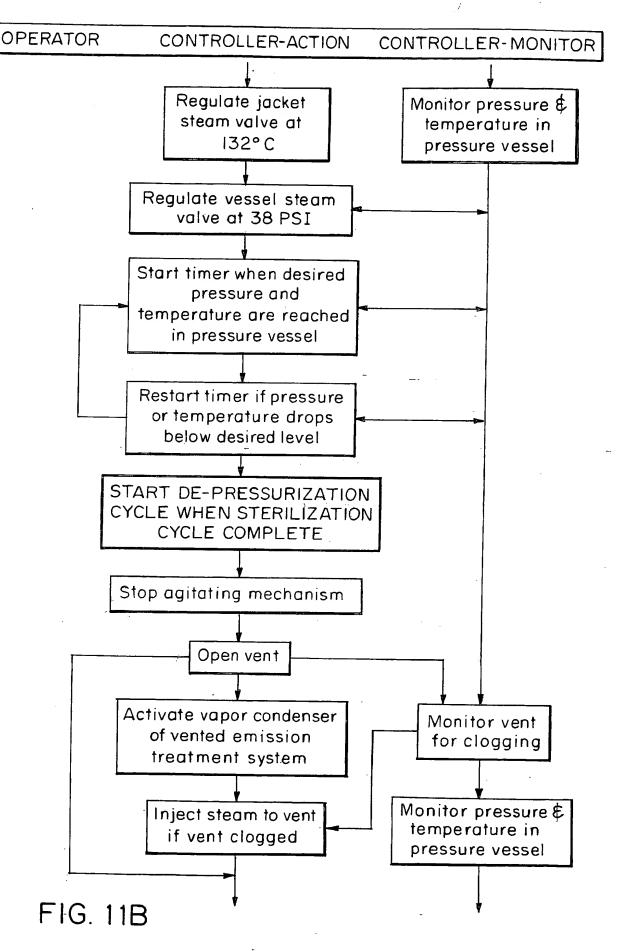
FEB 1 7 2004 PE

Application No. 09/702,067

Title: Waste Treatment Control System

Inventor: Richard A. Vanderwal

Replacement Sheet



Application No. 09/702,067 Title: Waste Treatment Control System Inventor: Richard A. Vanderwal Replacement Sheet **OPERATOR** CONTROLLER-ACTION CONTROLLER-MONITOR START DE-HYDRATION when pressure at 2 psia to Opsig Start agitating mechanism Monitor temperature and pressure in pressure vessel Complete De-Hydration when temperature rises Close steam valves to steam jacket Close vessel vent Stop agitating mechanism Signal to user that Stop printer/recorder process complete Open unloading door Start agitating mechanism in opposite direction Close unloading door

FIG. 11C

Stop agitating mechanism



Application No. 09/702,067

Title: Waste Treatment Control System

Inventor: Richard A. Vanderwal Replacement Sheet

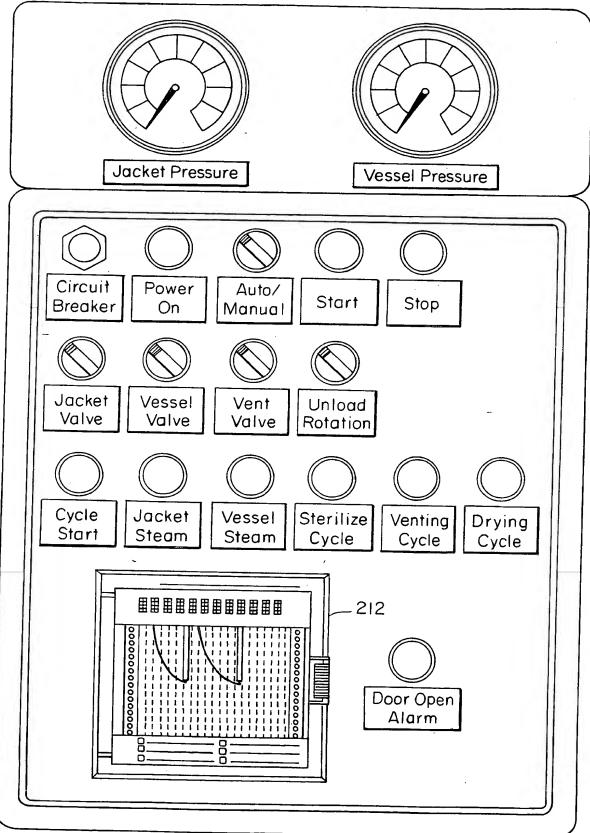


FIG. 12

Application No. 09/702,067 Title: Waste Treatment Control System Inventor: Richard A. Vanderwal Replacement Sheet Pressure (PSI) 40 20 De-hydration Agitation Stage De-pressurization Sterilization Stage is maintained for 20 min. -Temp., pressure (Sterilization) Agitation  $\overline{S}$ Pressure (PSI) ∑ Heat-up Stage Fragmentation and Agitation Temp (°C)

132

001

Temp (°C)

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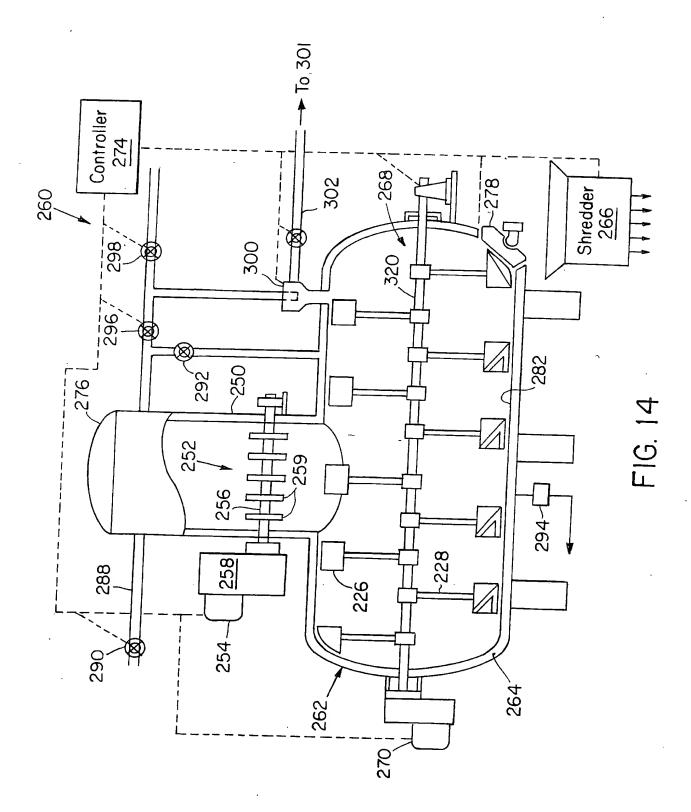
**→** unloading 55 40 Time (minutes) FIG. 13 35 20



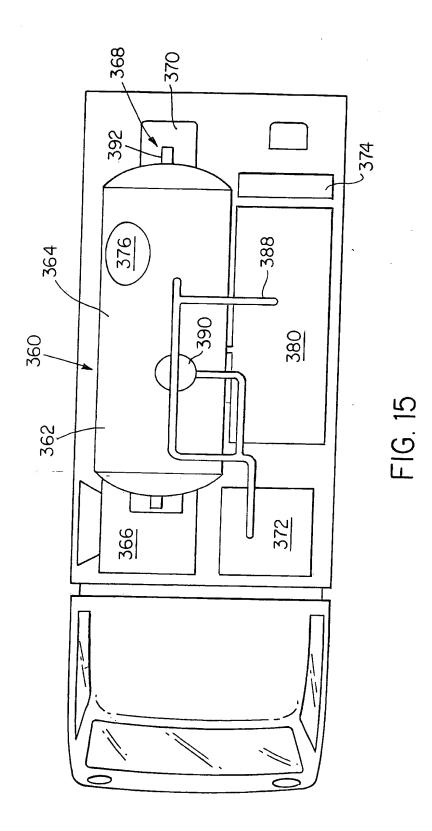
Application No. 09/702,067

Title: Waste Treatment Control System

-Inventor: Richard A. Vanderwal Replacement Sheet









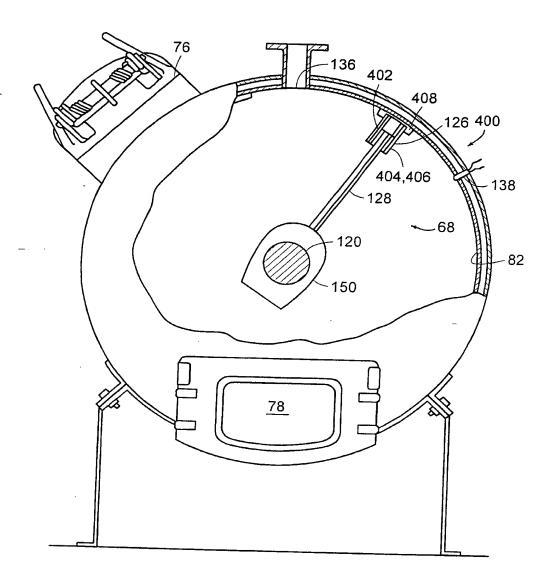
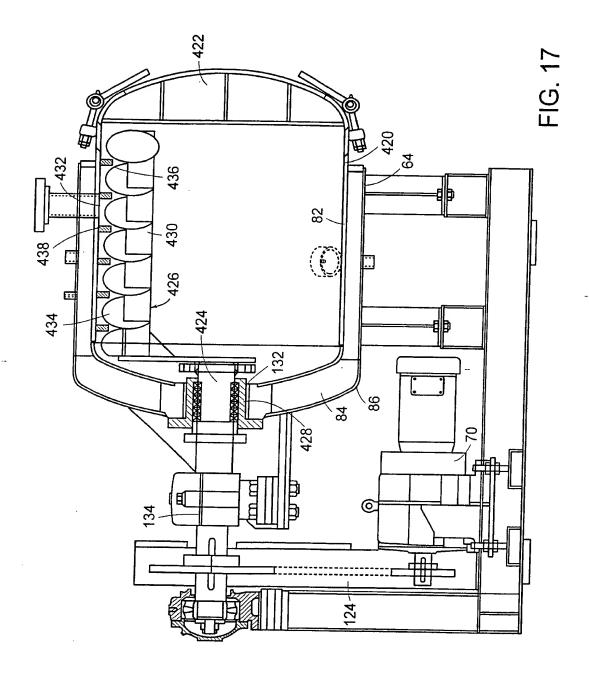


FIG. 16

Replacement Sheet





Replacement Sheet

FIG. 18